
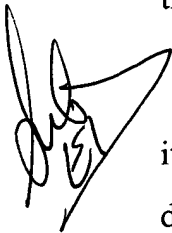


**WHAT IS CLAIMED IS:**

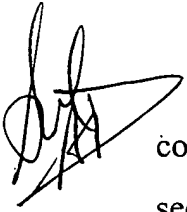
 1. A two stage process for hydroprocessing a hydrotreated distillate feedstock which process comprises:

- a) reacting said feedstock in a first reaction stage in the presence of a hydrogen-containing treat gas cascaded from the second reaction stage herein, said first reaction stage containing one or more reaction zones operated at hydrodesulfurization conditions wherein each reaction zone contains a bed of hydrotreating catalyst;
- b) passing the resulting reactant to a separation zone wherein a vapor phase stream and a liquid phase stream are produced;
- c) collecting said vapor phase stream overhead; and
- d) passing said liquid phase stream to a second reaction stage in the presence of a hydrogen-containing treat gas, said reaction stage containing one or more reaction zones operated at aromatics saturation conditions wherein each reaction zone contains a bed of aromatics saturation catalyst, and wherein said hydrogen-containing treat gas is passed through said reaction stage countercurrent to the flow of said liquid phase stream.


 2. The process of claim 1 wherein the liquid phase stream, before it passes through said second reaction stage is stripped to reduce its content of dissolved vapor phase product by contacting the liquid with a stripping gas.

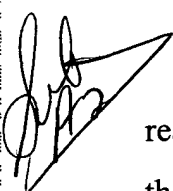
3. The process of claim 2 wherein the stripping gas is the vapor phase product from the second reaction stage.

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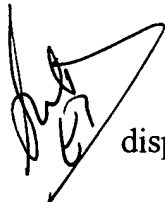
 4. The process of claim 3 wherein the stripping gas and liquid was contacted in a vapor/liquid contacting zone which is vertically disposed above the second reaction zone.

5. The process of claim 4 wherein the vapor/liquid contacting zone comprises a countercurrent flow contacting zone in which vapor flows counter to the downward flowing liquid.

 6. The process of claim 1 wherein the vapor phase stream from the first reaction stage is cooled and the resulting condensed liquid stream is separated from the remaining uncondensed stream, and a portion of the condensed liquid stream is combined with the liquid feed to the first reaction stage.

 7. The process of claim 1 wherein the vapor phase stream from the first reaction stage is cooled and the resulting condensed liquid stream is separated from the remaining uncondensed stream, and a portion of the condensed liquid stream is combined with the liquid feed to the second reaction stage.

8. The process of claim 1 wherein the vapor phase stream from the first reaction stage is cooled and the resulting condensed liquid stream is separated from the remaining uncondensed stream, and a portion of the condensed liquid stream is used as a quench liquid between two or more of the reaction zones of the first or second reaction stage.

 9. The process of claim 4 wherein the first reaction stage is vertically disposed above the vapor/liquid contacting zone.

10. The process of claim 9 wherein the liquid feedstock flows downward through said one or more reaction zones to said hydrogen-containing treat gas.

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11. The process of claim 1 wherein the hydrogen-containing treat gas is cascaded from the vapor/liquid contacting zone of claim 4.

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